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Application No.	09/169.141	Prepared by	NAB	Tracking Number	05976914
Examiner-GAU	LE- 2876	Date	08/30/04	Week Date	7/5/04
		No. of queries	77	(FWCE)	,,,

	JACKET					
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449			
b. Applicant(s)	g. Disclaimer	I. Print Fig.	q. PTOL-85b			
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract			
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs			
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other			

SPECIFICATION	MESSAGE
a. Page Missing	DTV-1449 (5 pages): Please either initial or
b. Text Continuity	line through citations copies provided for
c. Holes through Data	reference).
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g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
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CLAIMS	
a. Claim(s) Missing	
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Sheet 1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Col	mplete if Known
Application Number	09/769,141
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	660-024

			U. S. PATEN	DOCUMENTS	
Examiner Initiats*	No.	Document Number Number-Kind Code ² (Faccord)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	^{US-} 3,705,384	12-05-1972	Wahlberg	
	2	^{US-} 3,735,350	05-22-1973	Lemelson	
	3	^{US-} 3,976,995	08-24-1976	Sebestyen	
	4	US- 4,117,542	09-26-1978	Klausner et al.	
	5	^{US-} 4,283,621	08-11-1981	Pembroke	
	6	^{US-} 4,601,573	07-22-1986	Utsugi	
	7	^{US-} 4,659,213	04-21-1987	Matsumoto	
	8	US- 4,711,994	12-08-1987	Greenberg	
	9	US- 4,723,212	02-02-1988	Mindrum et al.	
	10	US- 4,793,813	12-27-1998	Bitzer et al.	
	11	US- 4,812,879	03-14-1989	Suzuki	
	12	^{US-} 4,820,167	04-11-1989	Nobles et al.	
	13	^{US-} 4,839,507	06-13-1989	May	
	14	US- 4,897,865	01-30-1990	Canuel	
•	15	us- 4,910,672	03-20-1990	Off et al.	
	16	US- 4,984,155	01-08-1991	Geier et al.	
	17	^{US-} 5,002,491	03-26-1991	Abrahamson et al.	
	18	US- 5,021,984	06-04-1991	Meade et al.	
	19	^{US-} 5,027,196	06-25-1991	Ono et al.	

	FORE	IGN PATENT DOCL	MENTS		
Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Г
	Country Code ² Number ⁴ Kind Code ⁵ (if Innawn)	MM-DO-YYYY		Or Relevant Figures Appear	T°
20	DE 2452202 A1	11-20-1975	Waterbury ·		
21	JP 60-46,684	03-13-1985	Masaaki et al.		
22	JP 62-98,334	05-07-1987	Yoshitomo, Abe		
23	EP 357899 A	03-14-1990	Schulz		
 24	GB 2 232 119 A	12-05-1990	Webster et al.		
25	JP 02103025 A	04-16-1990	Hirata, Hideyuk		

Examiner	Date	
Signature	Considered	
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09/769,141

1/25/2001

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Filing Date

Application Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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(Use as many sheets as necessary)

First Named Inventor Spencer A. Rathus Art Unit 2876 Examiner Name Le, Thien Minh

660-026 Sheet 2 Attorney Docket Number

Examiner	Cite	Document Number	Publication Date	DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ^{2 (Flavor)}	MIM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	26	US- 5,031,098	07-09-1991	Miller et al.	
	27	^{US-} 5,111,196	05-05-1992	Hunt, Peter F.	
	28	US- 5,119,188	06-02-1992	McCalley et al.	
	29	^{US-} 5,158,310	10-27-1992	Tannehill et al.	
	30	^{US-} 5,168,303	12-01-1992	Ikenoue et al.	
	31	^{US-} 5,173,851	12-22-1992	Off et al.	
	32	^{US-} 5,181,062	01-19-1993	Kazumi, Jiro	
-	33	US- 5,204,813	04-20-1993	Samph et al.	
_	34	US- 5,222,624	06-29-1993	Burr	
	35	US- 5,235,509	08-10-1993	Mueller et al.	
	36	US- 5,262,860	11-16-1993	Fitzpatrick et al.	
	37	^{US-} 5,287,181	02-15-1994	Holman	
	38	^{US-} 5,287,266	02-15-1994	Malec et al.	
	39	US- 5,288,977	02-22-1994	Amendolia et al.	
	40	us- 5,295,064	03-15-1994	Malec et al.	
	41	us- 5,295,836	03-22-1994	Ryu et al.	
	42	^{US-} 5,302,990	04-12-1994	Satoh et al.	
	43	^{US-} 5,310,349	05-10-1994	Daniels et al.	
	44	^{US-} 5,353,219	10-04-1994	Mueller et al.	

		FOREIG	N PATENT DOCL	MENTS	-	\neg
Examiner Cite Initials* No.1	Foreign Patent Document	Publication Dete	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ "Number ⁴ "Kind Code ³ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ*
	45	JP 02127792 A	05-16-1990	Oki, Shinji		
	46	JP 03151263 A	06-27-1991	Osawa		
	47	JP 03174693 A	07-29-1991	Ashida et al.		
	48	JP 04-023,183	01-27-1992	Masahide		
	49	JP 06110913 A	04-22-1994	Watanabe		
	50	JP 6-233,159	08-19-1994	Tsutomu		

Examiner	Date
Signature	Considered
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Sheet 3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known **Application Number** 09/769,141 Filing Date 1/25/2001 First Named Inventor Spencer A. Rathus Art Unit 2876 Examiner Name Le, Thien Minh Attorney Docket Number 660-026

Examiner	Cite	Document Number	Publication Date	DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
tritiats*	No.1	Number-Kind Code ² (Finance)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	51	^{US-} 5,368,129	11-29-1994	Von Kohorn	
	52	^{US-} 5,369,571	11-29-1994	Metts	
	53	^{US-} 5,385,371	01-31-1995	Izawa	
	54	US- 5,385,475	01-31-1995	Sudman et al.	
	55	^{US-} 5,397,156	03-14-1995	Schach et al.	
	56	US- 5,401,944	03-28-1995	Bravman	
	57	^{US-} 5,410,642	04-25-1995	Hakamatsuka et al.	
	58	US- 5,412,191	05-02-1995	Baitz et al.	
	59	^{US-} 5,451,998	09-19-1995	Hamrick	
	60	US- 5,452,379	09-19-1995	Poor	
	61	^{US-} 5,493,355	02-20-1996	Kazami	
	62	^{US-} 5,500,681	03-19-1996	Jones	
	63	^{US-} 5,505,494	04-09-1996	Belluci et al.	
	64	US- 5,506,697	04-09-1996	Li et al.	
	65	us- 5,551,011	08-27-1996	Danby et al.	
	66	US- 5,555,496	09-10-1996	Tackbary et al.	
	67	^{US-} 5,559,714	09-24-1996	Banks et al.	
	68	^{US-} 5,578,797	11-26-1996	Hewitt et al.	
	69	US- 5,612,868	03-18-1997	Off et al.	

		FOREIG	ON PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	П
		Country Code ³ "Number * "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevent Figures Appear	₹*
	70	JP 07056941 A	03-03-1995	Tanaka et al.		
	71	JP 7-64,169	03-10-1995	Masaru, Mase	_	
_	72	JP 11-355,699	06-05-1998	Yukihiro, Sai		
	73	JP 10269326 A	10-09-1998	Nakamura et al		
	74	JP 2001/142971	05-25-2001	Atsushi		
	<u> </u>					

Examiner		Date	
Signature		Considered	
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Sheet 4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 5

Complete if Known Application Number 09/769,141 Filing Date 1/25/2001 First Named Inventor Spencer A. Rathus Art Unit 2876 **Examiner Name** Le, Thien Minh 660-026 **Attorney Docket Number**

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (I known)}	Publication Date MM-DD-YYYY	Name of Patenties or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	75	US- 5,615,123	03-25-1997	Davidson et al.	
	76	^{US-} 5,644,408	07-01-1997	Li et al.	
	77	US- 5,751,590	05-12-1998	Cannon et al.	
	78	^{US-} 5,801,944	09-01-1998	Kara	
	79	^{US-} 5,870,030	09-11-7627	Deluca et al.	
	80	^{US-} 5,872,589	02-16-1999	Morales	
	81	^{US-} 5,948,040	09-07-1999	DeLorme et al.	
	82	US- 5,978,013	11-02-1999	Jones et al.	
	83	^{US-} 5,978,648	11-02-1999	George et al.	
	84	^{US-} 5,995,105	11-30-1999	Reber et al.	
	85	^{US-} 6,002,491	12-14-1999	Li et al.	
	86	^{US-} 6,064,832	05-16-2000	Sato et al.	
	87	^{US-} 6,072,186	06-06-2000	Yokonuma et al.	
	88	us- 6,085,976	07-11-2000	Sehr	
	.89	us- 6,095,418	08-01-2000	Swartz et al.	
	90	US- 6,149,441	11-21-2000	Pellegrino et al.	
	91	^{US-} 6,269,342	07-31-2001	Brick et al.	
	92	^{US-} 6,270,351	08-07-2001	Roper	
	93	^{US-} 6,311,214	10-30-2001	Rhoads	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	ite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Т
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of 5

Complete if Known				
Application Number	09/769,141			
Filing Date	1/25/2001			
First Named Inventor	Spencer A. Rathus			
Art Unit	2876			
Examiner Name	Le, Thien Minh			
Attornou Dooket Number	660.026			

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
initiats*	Cite No.1		MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant
		Number-Kind Code ^{2 (f brown)}			Figures Appear
	94	^{US-} 6,313,732	11-06-2001	Deluca et al.	
	95	^{US-} 6,331,864	12-18-2001	Coco et al.	
	96	^{US-} 6,353,772	03-05-2002	Silverbrook	
	97	US- 2001/011276 A1	08-02-2001	Durst Jr. et al.	
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